

In the Claims:

1. (Amended) An oil cooler structure of an automatic transmission comprising:
an upper tube plate and a lower tube plate together forming an oil circulation space defining oil holes at a top and a bottom;
an oil passage defined by an upper tube plate plane part and a lower tube plate plane part, said oil passage communicating with said oil circulation space intermediate of said top and bottom oil holes and extending longitudinally for a first distance; and
an upper tube plate reinforcement and a lower tube plate reinforcement each arranged in a layer in ~~an~~ said oil passage formed between a the plane part of ~~an~~ the upper tube plate and a the plane part of a the lower tube plate and extending away from the upper and lower tube plates for a second distance less than the first distance, said plane parts respectively welded to said upper tube plate reinforcement and said lower tube plate reinforcement and embossed parts thereof protruding toward the center of said oil passage being mutually abutted and welded together.
2. (Original) The structure as defined in claim 1, wherein said upper and lower tube plate reinforcements are formed longitudinally in said oil passage along a width direction of said plane parts.
3. (Original) The structure as defined in claim 1, wherein said upper and lower tube plate reinforcements comprise:
welded coupling surfaces respectively abutted and welded to surfaces of said plane parts extended from said oil passage; and
embossed parts protruding from a central portion of welded coupling surfaces and distanced from said plane parts and protruding toward a center of said oil passage.
4. (Original) The structure as defined in claim 3, wherein said embossed parts are formed with straight plane parts and connected via slanted surfaces to the welded coupling surfaces.

5. (Original) The structure as defined in claim 1, wherein one marginal surface of said upper and lower tube plate reinforcements are arched, and other three marginal surfaces thereof are formed straight along longitudinal and cross-wise directions of said plane parts.

6 (New) An oil cooler structure of an automatic transmission, comprising:

an upper tube plate and a lower tube plate together forming an oil circulation space defining oil holes at a top and a bottom;

an oil passage defined by an upper tube plate plane part and a lower tube plate plane part, said oil passage communicating with said oil circulation space intermediate of said top and bottom oil holes and extending longitudinally for a first distance; and

an upper tube plate reinforcement and a lower tube plate reinforcement secured to the upper tube plate and lower tube plate, respectively, and layered in said oil passage extending away from the upper and lower tube plates for a second distance less than the first distance, said plane parts being respectively secured to said upper tube plate reinforcement and said lower tube plate reinforcement and said reinforcements being secured together in a central part.

7. (New) The structure as defined in claim 6, wherein said upper tube plate reinforcement and said lower tube plate reinforcement each have an inwardly curved end configured and dimensioned to mate with the upper and lower tube plates, respectively